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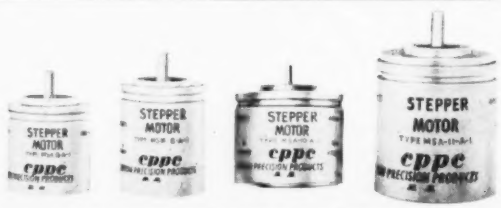
CLIFTON steps in to the Stepper Motor field

Steppers are gaining popularity in digital systems because of their quick response, high resolution, and many other distinct advantages. Clifton announces a full line of size 8, 10, 11, and 15 Stepper Motors and the Controllers that go with them.

For further information, contact our local sales offices or representatives. Clifton Precision Products, Division of Litton Industries, Clifton Heights, Pa., Colorado Springs, Colo.



CLIFTON STEPPER MOTORS

SIZE	8	10	11	11	8	8	8	11	8	15
LENGTH (M.F.)	0.770	0.770	1.215	1.215	1.062	1.112	0.770	1.215	1.062	1.535
WEIGHT (OZ.)	1.0	1.6	3.2	3.2	1.5	1.5	1.0	3.2	1.5	6.4
INERTIA (GM-CM²)	0.19	0.19	0.77	0.37	0.18	0.45	0.19	0.77	0.10	2.4
INDEX ANGLE	90° ±3°	90° ±3°	90 ±3°	15° ±1°	90° ±3°	90° ±3°	45° ±2°	45° ±2°	15° ±1°	90° ±3°
TYPE	PM 2Ø	PM 2Ø	PM 2Ø	VR 3Ø	PM 2Ø	PM 2Ø	PM 2Ø	PM 2Ø	VR 3Ø	PM 2Ø
RATED D.C. VOLT.	28V	28V	28V	28V	28V	28V	28V	28V	28V	28V
RESISTANCE (OHMS/PHASE)	300	300	300	150	300	300	135	130	150	150
NO LOAD RESPONSE RATE PULSE/SEC	320	350	185	600	360	280	600	440	950	150
NO LOAD SLEW RATE PULSE/SEC	930	700	190	1600	375	650	2700	1200	1800	150
HOLDING TORQUE OZ-IN ONE PHASE	0.35	0.50	1.4	0.60	0.80	0.58	0.60	1.5	0.54	3.2
DETENT, OZ-IN ZERO INPUT	0.05	0.05	0.24	—	0.17	0.10	0.05	0.12	—	0.8
TYPE NUMBER	MSA-8-1	MSA-10-A-1	MSA-11-A-1	RSA-11-A-1	MSM-8-A-1	MSL-8-A-1	MSA-8-A-3	MSA-11-A-2	RSA-8-A-1	MSA-15-A-1

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DIVISION OF LITTON INDUSTRIES

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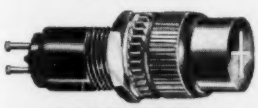
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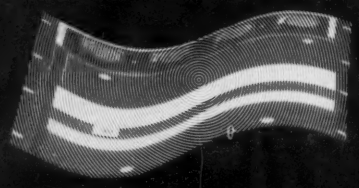
empty...
doesn't work...
— yet is accurate?



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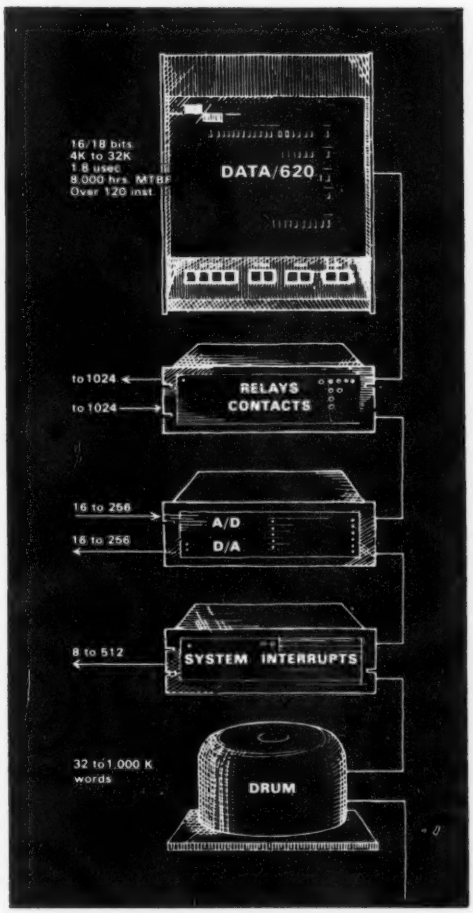

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